## **Human Parathyroid Hormone Modifications, Preparation** and Use

## Abstract

Synthetic and/or recombinant biologically active peptide derivatives of PTH(1-28), comprising a biologically active peptide at least 90% identical to a peptide consisting essentially of the formula:

- $X_{01}$ ValSerGluIleGnLeuMetHisAsnLeuGlyLysHisLeuAsnSer (a) MetX<sub>02</sub>ArgValGluTrpLeuArgLysLysLeu(SEQ ID NO:1);
  - fragments thereof containing amino acids 1-24, 1-25, 1-26, or 1-(b) 27;
  - pharmaceutically acceptable salts thereof; or (c)
  - (d) N- or C- derivatives thereof;

wherein:

 $X_{01}$  is Ser, Ala or Gly; and

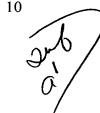
X<sub>02</sub> is Glu or Arg,

provided that said peptide is not hPTH(1-26)NH<sub>2</sub>, hPTH(1-27)NH<sub>2</sub> or hPTH(1-28)NH<sub>2</sub>.

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